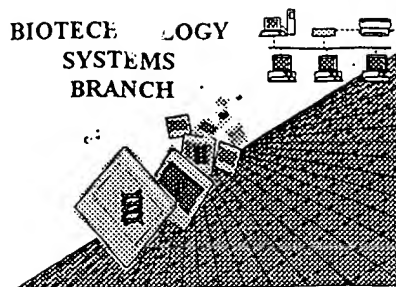


RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



1631

#6
Blanket
4/4/01

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

09/198,779A

Source:

1600

Date Processed by STIC:

3/27/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

1600

RAW SEQUENCE LISTING

DATE: 03/27/2001

PATENT APPLICATION: US/09/198,779A

TIME: 10:41:48

Input Set : D:\metseq\list02.usol.rpt

Output Set: N:\CRF3\03272001\I198779A.raw

Does Not Comply
Corrected Diskette Needed

2 <110> APPLICANT: Bledig, Stefan A.
 3 Byrum, Joseph R.
 4 Liu, Jingdong
 7 <120> TITLE OF INVENTION: Nucleic Acid Molecules And Other Molecules Associated With The
 8 Methionine Synthesis And Degradation Pathways
 10 <130> FILE REFERENCE: 04983.0002.US01/38-21(15077)B
 12 <140> CURRENT APPLICATION NUMBER: 09/198,779A
 13 <141> CURRENT FILING DATE: 1998-11-24
 15 <160> NUMBER OF SEQ ID NOS: 3204

ERRORED SEQUENCES

63273 <210> SEQ ID NO: 3204
 63274 <211> LENGTH: 434
 63275 <212> TYPE: DNA
 63276 <213> ORGANISM: Glycine max
 63278 <223> OTHER INFORMATION: unsure at all n locations
 63279 <400> SEQUENCE: 3204
 W--> 63281 ccacgcgtcc gccacgcgt ccgggtccgcc atctccgcgc tcctnctcca gctctgcagc 60
 W--> 63283 cacngcgaac anggtgggtcg nctccagaac tctntacngt gggacccacn cgctcctctc 120
 W--> 63285 acactttctc ccgcgcacgt gcggaatata cactagcttc gtggaggtga cngatcttga 180
 W--> 63287 catggnnttat gctgccataa tagaaaggaa aacaaaagtg ctttacttnt aatctgggtc 240
 W--> 63289 caacccacc cttacngttg cgaacatacc tgaactgtgc cacatggcac accggaaggg 300
 W--> 63291 agtgactgtg gtggtggaca acacgttcgt gcccatgggtg ctttcgccag cgcgtnnttg 360
 W--> 63293 gtgcttatgt ttgtntctca cagtatctcc aagtccatna atnggtgggg ccgatatta 420
 W--> 63295 ttgcangagc ggng 434
 E--> 63298 13
 E--> 63301 2

delete at end of file

see next page

<220> ← insert this mandatory
 numeric identifier
 whenever <221>
 <222>, OR <223>
 is shown
 (global error)

(see 1.823 of
 new Sequence
 Rules)

VERIFICATION SUMMARY

DATE: 03/27/2001

PATENT APPLICATION: US/09/198,779A

TIME: 10:41:58

Input Set : D:\metseqlist02.usol.rpt

Output Set: N:\CRF3\03272001\I198779A.raw

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:23 M:283 W: Missing Blank Line separator, <400> field identifier
L:29 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1
L:29 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:1
L:29 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:1
L:29 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1
L:40 M:283 W: Missing Blank Line separator, <400> field identifier
L:42 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:42 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2
L:42 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2
L:42 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2
L:44 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:44 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2
L:44 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2
M:340 Repeated in SeqNo=2
L:46 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:46 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2
L:46 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2
L:48 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:48 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2
L:48 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2
L:50 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:50 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2
L:50 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2
L:52 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:2
L:52 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2
L:52 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2
L:61 M:283 W: Missing Blank Line separator, <400> field identifier
L:63 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:63 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:3
L:63 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3
L:63 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3
L:65 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:3
L:65 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:3
L:65 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:3
M:340 Repeated in SeqNo=3
L:74 M:283 W: Missing Blank Line separator, <400> field identifier
L:76 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:76 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4
L:76 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4
L:76 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:4
L:78 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:78 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4
L:78 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4
M:340 Repeated in SeqNo=4
L:84 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:84 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4
L:84 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4

VERIFICATION SUMMARY

DATE: 03/27/2001

PATENT APPLICATION: US/09/198,779A

TIME: 10:41:58

Input Set : D:\metseqlist02.usol.rpt

Output Set: N:\CRF3\03272001\I198779A.raw

L:93 M:283 W: Missing Blank Line separator, <400> field identifier
L:95 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:95 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:5
L:95 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:5
L:95 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:5
L:97 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:97 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:5
L:97 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:5
M:340 Repeated in SeqNo=5
L:99 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:99 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:5
L:99 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:5
L:101 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:5
L:101 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:5
L:101 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:5
L:128 M:283 W: Missing Blank Line separator, <400> field identifier
L:130 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:7
L:130 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:7
L:130 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:7
M:340 Repeated in SeqNo=7
L:143 M:283 W: Missing Blank Line separator, <400> field identifier
L:145 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:8
M:340 Repeated in SeqNo=8
L:172 M:283 W: Missing Blank Line separator, <400> field identifier
L:174 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:9
M:340 Repeated in SeqNo=9
L:197 M:283 W: Missing Blank Line separator, <400> field identifier
L:199 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:10
M:340 Repeated in SeqNo=10
L:222 M:283 W: Missing Blank Line separator, <400> field identifier
L:224 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:11
M:340 Repeated in SeqNo=11
L:235 M:283 W: Missing Blank Line separator, <400> field identifier
L:237 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:12
M:340 Repeated in SeqNo=12
L:260 M:283 W: Missing Blank Line separator, <400> field identifier
L:262 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:13
M:340 Repeated in SeqNo=13
L:287 M:283 W: Missing Blank Line separator, <400> field identifier
L:289 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:14
M:340 Repeated in SeqNo=14
L:314 M:283 W: Missing Blank Line separator, <400> field identifier
L:316 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:15
L:341 M:283 W: Missing Blank Line separator, <400> field identifier
L:343 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:16
M:340 Repeated in SeqNo=16
L:368 M:283 W: Missing Blank Line separator, <400> field identifier
L:370 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:17
M:340 Repeated in SeqNo=17

VERIFICATION SUMMARY

DATE: 03/27/2001

PATENT APPLICATION: US/09/198,779A

TIME: 10:41:58

Input Set : D:\metseqlist02.usol.rpt

Output Set: N:\CRF3\03272001\I198779A.raw

L:393 M:283 W: Missing Blank Line separator, <400> field identifier
L:397 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:18
M:340 Repeated in SeqNo=18
L:418 M:283 W: Missing Blank Line separator, <400> field identifier
L:428 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:19
M:340 Repeated in SeqNo=19
L:443 M:283 W: Missing Blank Line separator, <400> field identifier
L:457 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:20
L:468 M:283 W: Missing Blank Line separator, <400> field identifier
L:470 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:21
M:340 Repeated in SeqNo=21
L:495 M:283 W: Missing Blank Line separator, <400> field identifier
L:497 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:22
M:340 Repeated in SeqNo=22
L:522 M:283 W: Missing Blank Line separator, <400> field identifier
L:524 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:23
M:340 Repeated in SeqNo=23
L:547 M:283 W: Missing Blank Line separator, <400> field identifier
L:549 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:24
M:340 Repeated in SeqNo=24
L:574 M:283 W: Missing Blank Line separator, <400> field identifier
L:576 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:25
L:621 M:283 W: Missing Blank Line separator, <400> field identifier
L:623 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:27
M:340 Repeated in SeqNo=27
L:646 M:283 W: Missing Blank Line separator, <400> field identifier
L:658 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:28
M:340 Repeated in SeqNo=28
L:671 M:283 W: Missing Blank Line separator, <400> field identifier
L:673 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:29
M:340 Repeated in SeqNo=29
L:698 M:283 W: Missing Blank Line separator, <400> field identifier
L:721 M:283 W: Missing Blank Line separator, <400> field identifier
L:748 M:283 W: Missing Blank Line separator, <400> field identifier
L:773 M:283 W: Missing Blank Line separator, <400> field identifier
L:800 M:283 W: Missing Blank Line separator, <400> field identifier
L:825 M:283 W: Missing Blank Line separator, <400> field identifier
L:850 M:283 W: Missing Blank Line separator, <400> field identifier
L:877 M:283 W: Missing Blank Line separator, <400> field identifier
L:902 M:283 W: Missing Blank Line separator, <400> field identifier
L:925 M:283 W: Missing Blank Line separator, <400> field identifier
L:952 M:283 W: Missing Blank Line separator, <400> field identifier
L:979 M:283 W: Missing Blank Line separator, <400> field identifier
L:1006 M:283 W: Missing Blank Line separator, <400> field identifier
L:1047 M:283 W: Missing Blank Line separator, <400> field identifier
L:1092 M:283 W: Missing Blank Line separator, <400> field identifier
L:1117 M:283 W: Missing Blank Line separator, <400> field identifier
L:1140 M:283 W: Missing Blank Line separator, <400> field identifier
L:1159 M:283 W: Missing Blank Line separator, <400> field identifier

VERIFICATION SUMMARY DATE: 03/27/2001
PATENT APPLICATION: US/09/198,779A TIME: 10:41:58

Input Set : D:\metseq\list02.usol.rpt
Output Set: N:\CRF3\03272001\I198779A.raw

L:1184 M:283 W: Missing Blank Line separator, <400> field identifier
L:1205 M:283 W: Missing Blank Line separator, <400> field identifier
L:1264 M:283 W: Missing Blank Line separator, <400> field identifier
L:1289 M:283 W: Missing Blank Line separator, <400> field identifier
L:1316 M:283 W: Missing Blank Line separator, <400> field identifier
L:63298 M:254 E: No. of Bases conflict, LENGTH:Input:13 Counted:434 SEQ:3204
M:254 Repeated in SeqNo=3204